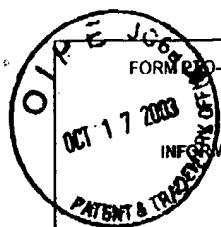
 <p>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(USE SEVERAL SHEETS IF NECESSARY)</p>	ATTY. DOCKET NO. BSST.002C1	APPLICATION NO. Unknown 10/632,235
	APPLICANT Lon E. Bell	
	FILING DATE July 31, 2003	GROUP Unknown 3744

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>W</i>	1	3,006,979	10-31-61	Rich			
	2	3,126,116	04-24-64	Clinehens			
	3	3,635,037	01-18-72	Hubert			
	4	3,681,929	08-08-72	Schering			
	5	3,779,814	12-18-73	Miles et al.			
	6	4,065,936	01-03-78	Fenton et al.			
	7	4,281,516	08-04-81	Berthet et al.			
	8	4,494,380	01-22-85	Cross			
	9	4,730,459	03-15-88	Schlicklin et al.			
	10	4,731,338	03-15-88	Ralston et al.			
	11	4,989,626	02-05-91	Takaga et al.			
	12	5,092,129	03-03-92	Bayes et al.			
	13	5,097,829	03-24-92	Quisenberry			
	14	5,228,923	07-20-93	Hed			
	15	5,232,516	08-03-93	Hed			
	16	5,429,680	07-04-95	Fuschetti			
	17	5,584,183	12-17-96	Wright et al.			
	18	5,592,363	01-07-97	Atarashi et al.			
	19	5,605,047	02-25-97	Park et al.			
	20	5,682,748	11-04-97	De Viiibiss et al.			
	21	5,802,856	09-08-98	Schaper at al.			
	22	5,860,472	01-19-99	Batchelder			
	23	5,867,990	02-09-99	Ghoshal			
	24	5,900,071	05-04-99	Harman			
	25	5,921,088	07-13-99	Imaizumi et al.			
	26	5,966,941	10-19-99	Ghoshal			
<i>W</i>	27	5,987,890	11-23-99	Chiu et al.			

EXAMINER <i>Wd/rnd</i>	DATE CONSIDERED <i>3/8/04</i>
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
BSST.002C1APPLICATION NO.
Unknown

10/632,235

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BY APPLICANTAPPLICANT
Lon E. BellFILING DATE
July 31, 2003GROUP
Unknown

3744

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
MJ	28	6,082,445	07-04-00	Dugan			
	29	6,084,172	07-04-00	Kishi et al.			
	30	6,096,966	08-01-00	Nishimoto et al.			
	31	6,319,744	11-20-01	Hoon et al.			
	32	6,334,311	01-01-02	Kim et al.			
	33	6,346,668	02-12-02	McGrew			
	34	6,347,521	02-19-02	Kadotani et al.			
	35	6,401,462	06-11-02	Bielinski			
	36	6,446,442	09-10-02	Bathelor et al.			
	37	6,477,844	11-12-02	Ohkubo et al.			
	38	6,481,213	11-19-02	Carr et al.			
	39	6,530,231	03-11-03	Nagy et al.			
	40	6,510,696	01-28-03	Guttman et al.			
MJ	41	6,650,968	05-13-03	Ko			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MJ	42	JP 4-165234	06-11-92	Japan				
MJ	43	JP 56-18231	02-20-81	Japan				

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

MJ	44	International Search Report for PCT/US 02/06285 dated 05-11-02.
	45	International Search Report for PCT/US 02/03654 dated 05-20-02.
	46	International Search Report for PCT/US 02/03659 dated 07-09-02.
	47	International Search Report for PCT/US 02/25233 dated 09-24-02.
MJ	48	International Search Report for PCT/US 03/17834 dated 07-29-03.

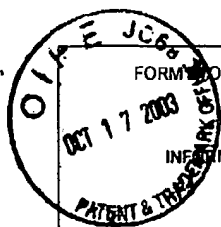
EXAMINER

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DATE CONSIDERED

3/8/04

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July 31, 2003GROUP
Unknown

3744

(USE SEVERAL SHEETS IF NECESSARY)

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
WJ	49 A New Concept for Improving Thermoelectric Heat Pump Efficiency, R.J. Buist, J.W. Fenton and J.S. Lee, Borg-Warner Thermoelectrics Wolf and Algonquin Road
	50 Tada, Shigeru, et al., A New Concept of Porous thermoelectric Module Using a Reciprocating Flow for Cooling/Heating System (Numerical Analysis for Heating System), 16 th International Conference on Thermoelectrics (1997)
	51 Goldsmid, H.J., <u>Electronic Refrigeration</u> , Pion Ltd., 207 Brondesbury Park, London (1986)
	52 Angrist, Stanley W., <u>Direct Energy Conversion</u> , 32 Ed. Allyn & Bacon (1976)
	53 Miner, A., Majumdar, A., and U. Ghoshal, Thermo-Electro-Mechanical Refrigeration Based on Transient Thermoelectric Effects, <u>Applied Physics letters</u> , Vol. 75, pp. 1176-1178 (1999)
	54 Buist, R. and Lau, P., Theoretical Analysis of Thermoelectric Cooling Performance Enhancement Via Thermal and Electrical Pulsing, <u>Journal of Thermoelectricity</u> , No. 4, 1996.
	55 Copending U.S. Application No. 09/844,818 filed on April 27, 2001 (Atty No. 001A) and pending claims
	56 Copending U.S. Application No. 10/227,398 filed on August 23, 2002 (Atty No. 001CP1) and pending claims
	57 Copending U.S. Application No. 09/860,725 filed on May 18, 2001 (Atty No. 002A) and pending claims
	58 Copending U.S. Application No. 09/918,999 filed on July 31, 2001 (Atty No. 002CP1) and pending claims
	59 Copending U.S. Application No. 10/215,613 filed on August 7, 2002 (Atty No. 004A) and pending claims
	60 Copending U.S. Application No. 09/987,232 filed on November 6, 2001 (Atty No. 006A) and pending claims
	61 Copending U.S. Application No. 10/074,543 filed on February 11, 2002 (Atty No. 008A) and pending claims
WJ	62 Copending U.S. Application No. 10/164,656 filed on June 6, 2002 (Atty No. 009A) and pending claims

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EXAMINER	DATE CONSIDERED
MDH/m es	3/08/04

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